

[ABSTRACT]

A method has been described of preparing monodisperse polymer particles by free radical polymerization or copolymerization of hydrophobic monomers in a water-based system in the presence of cyclodextrin, characterized in that said free radical polymerization is performed with semi-continuous addition of monomer , wherein said monomer is absent before initiating polymerization, and in that a total solid contents of less than 30 % by weight is present in said water-based system, in order to provide monodisperse polymer particles which are very suitable for use in many applications as e.g. in inks or toners, in photonic crystal films, in thermal printing plates for computer-to-plate or computer-to-press applications, in inkjet media, in displays, in photographic films, or as a spacing agent.